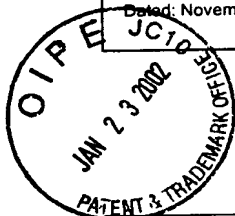


I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Commissioner for Patents, Washington, DC 20231, on the date shown below.

Dated: November 13, 2001

Signature:

(Kimberly V. Perry)



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#5  
BT

02-15-02

Docket No.: TESSERA 3.3-018 CONTCONTIIDIVCONTCONTII  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
*Khandros et al.*

Application No.: 09/827,840

Group Art Unit: 2812

Filed: April 6, 2001

Examiner: Not Yet Assigned

For: MICROELECTRONIC ASSEMBLY HAVING  
ENCAPSULATED WIRE BONDING LEADS

Commissioner for Patents  
Washington, DC 20231

**INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

It is respectfully requested that the references listed on the enclosed form be made of record and considered with respect to the above-referenced U.S. patent application. A copy of each reference was of record in Application No. 09/656,690, the benefit of which is claimed under §120. Submission of the present Information Disclosure Statement should not be taken as an admission that the cited references are legally available prior art or that the same are pertinent or material.

In the event that any fee is due in connection with the present Information Disclosure Statement, the Commissioner is hereby authorized to charge the same to our Deposit Account No. 12-1095.

Dated: November 13, 2001

Respectfully submitted,

By

KIMBERLY V. PERRY

Registration No.: 43,612

LERNER, DAVID, LITTENBERG,

KRUMHOLZ & MENTLIK, LLP

600 South Avenue West

Westfield, New Jersey 07090

(908) 654-5000

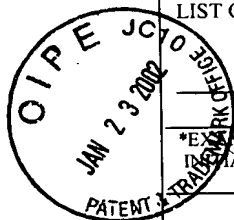
Attorneys for Applicant

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FORM PTO-1449 (Rev. 7-80)		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. TESSERA 3.3-018 CONT CONT II DIV CONT CONT II		Application No. 09/827,840	
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				Applicant <i>Khandros, et al.</i>			
				Filing Date: April 6, 2001		Group 2812	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
AA	4,961,105	10/2/90	<i>Yamamoto</i>	357	72		
AB	5,216,278	6/1/93	<i>Lin et al</i>	257	688		
AC	5,241,133	8/31/93	<i>Mullen, III et al.</i>	174	52.4		
AD	4,225,900	9/30/80	<i>Ciccio et al.</i>	361	395		
AE	4,525,921	7/2/85	<i>Carson et al.</i>	29	577		
AF	4,672,737	6/16/87	<i>Carson et al.</i>	29	572		
AG	4,801,992	1/31/89	<i>Golubic</i>	357	40		
AH	4,862,249	8/29/89	<i>Carlson</i>	357	80		
AI	4,884,237	11/28/89	<i>Mueller et al.</i>	365	63		
AJ	4,884,237	11/28/89	<i>Mueller et al.</i>	365	63		
AK	4,941,033	7/10/90	<i>Kishida</i>	357	75		
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AL	JP 63-290796	11/28/88	Japan			X	
AM	JP 63-51196	3/4/88	Japan			X	
AN	JP 63-290795	11/28/88	Japan			X	
AO	JP 2-128453	5/16/90	Japan			X	
AP							
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AR	JP 63-290796, copy including annotations					
	AS	JP 63-51196, copy including annotations					
	AT	JP 63-290795, copy including annotations					
EXAMINER				DATE CONSIDERED			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							


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FORM PTO-1449  
(Rev. 7-80)U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
TESSERA 3.3-018 CONT CONT II DIV CONT CONT IIApplication No.  
09/827,840

## LIST OF REFERENCES CITED BY APPLICANT

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*Khandros, et al.*

Filing Date: April 6, 2001

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*EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,949,224	8/14/90	<i>Yamamura et al.</i>	361	412	
	AB	4,953,005	8/28/90	<i>Carlson et al.</i>	357	80	
	AC	4,953,060	8/28/90	<i>Lauffer et al.</i>	361	388	
	AD	4,956,694	9/11/90	<i>Eide</i>	357	74	
	AE	4,982,265	1/1/91	<i>Watanabe et al.</i>	357	75	
	AF	5,016,138	5/14/91	<i>Woodman</i>	361	381	
	AG	5,046,238	9/10/91	<i>Daigle et al.</i>	29	830	
	AH	5,072,075	12/10/91	<i>Lee et al.</i>	174	264	
	AI	5,089,880	2/18/92	<i>Meyer et al.</i>	357	75	
	AJ	5,117,282	5/26/92	<i>Salatino</i>	357	81	
	AK	5,128,831	7/7/92	<i>Fox, III et al.</i>	361	396	

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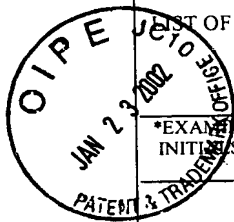
## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	JP 2-128453, copy including annotations
AS	1987 Proceedings 37 <sup>th</sup> Electronic Components Conference, May 11-13, 1987, Die Attachment Design and Its Influence on Thermal Stresses in the Die and the Attachment, E. Suhr, pages 508-517
AT	Electronic Components Conference 33 <sup>rd</sup> , May 16-18, 1983, The Quality of Die-Attachment and Its Relationship to Stresses and Vertical Die-Cracking, C.G.M. van Kessel, S.A. Gee and J.J. Murphy, pages 237-244

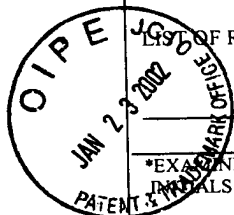
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FORM PTO-1449 (Rev. 7-80)		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. TESSERA 3.3-018 CONT CONT II DIV CONT CONT II		Application No. 09/827,840	
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				Applicant Khandros, et al.			
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	AA	5,138,438	8/11/92	Masayuki et al.	357	75	
	AB	5,172,303	12/15/92	Bernardoni et al.	361	396	
	AC	5,198,888	3/30/93	Sugano et al.	257	686	
	AD	5,252,857	10/12/93	Kane et al.	257	686	
	AE	5,300,810	4/5/94	Eden	257	686	
	AF	5,377,077	12/27/94	Burns	361	704	
	AG	5,475,920	12/19/95	Burns et al.	29	856	
	AH	5,543,664	8/6/96	Burns	257	787	
	AI	5,701,031	12/23/97	Oguchi et al.	257	686	
	AJ	4,897,534	1/30/90	Haghiri-Tehrani	235	488	
	AK	5,055,913	10/8/91	Haghiri-Tehrani	357	74	
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	AR	Electronic Components Conference 34 <sup>th</sup> , May 14-16, 1984, Die Attach in Hi-Rel P-Dips: Polyimides or Low Chloride Epoxies?, Justin C. Bolger and Charles T. Mooney, pages 63-67					
	AS	Ablebond® 84-3 MV, Electrically Insulating Epoxy Adhesive, 12/97					
	AT	Ablebond® 84-3 MV, One Component, Insulative Chip Adhesive, 11/97					
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TESSERA 3.3-018 CONT CONT II DIV CONT CONT IIApplication No.  
09/827,840Applicant  
*Khandros, et al.*

Filing Date: April 6, 2001

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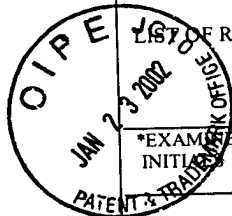
## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Ablebond® 84-3MV, Electrically Insulating Chip Adhesive, Rev. 6/90
AS	Ablestik®, One Component, Insulating Chip Adhesive, Rev. 2/88
AT	Microelectronics Packaging Handbook, Rao R. Tummala, Eugene J. Rymaszewski, pages 312-320, (1989).

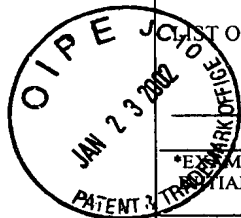
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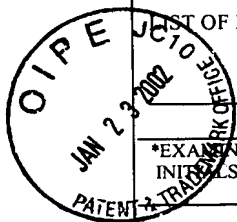
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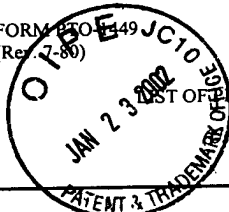


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LIST OF REFERENCES CITED BY APPLICANT <i>(Use several sheets if necessary)</i>				Applicant <i>Khandros, et al.</i>				
				Filing Date: April 6, 2001				Group 2812
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	AR	"No Stress" Dielectric Epoxy Adhesives with High Thermal Conductivity, date unknown.						
	AS	Naoji Senba, Nobuaki Takahashi, Yuzo Shimada, Ikushi Morizaki, Kenichi Tokuno, Makoto Ohtsuuka and Katsumasa Hashimoto, Application of 3_Dimensional Memory Module, pages 279-284						
	AT	Rudolf Leutenbauer, Volker Grosser, Bernd Michel and Herbert Reichl, Development of a Top-Bottom BGA, December 1998, pages 28-32.						
EXAMINER					DATE CONSIDERED			
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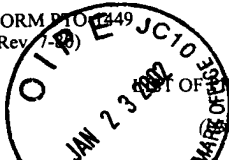


FORM PTO-1449 (Rev. 7-80)		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. TESSERA 3.3-018 CONT CONT II DIV CONT CONT II		Application No. 09/827,840	
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				Filing Date: April 6, 2001		Group 2812	
U.S. PATENT DOCUMENTS							
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AA	3,302,067	1/31/67	Jackson et al.		317	101	
AB	3,390,308	6/25/68	Marley		317	100	
AC	3,426,252	2/4/69	Lepselter		317	234	
AD	3,474,297	10/21/69	Bylander		317	101	
AE	3,487,541	1/6/70	Boswell		29	626	
AF	3,611,061	7/7/71	Segerman		317	234R	
AG	3,614,832	10/26/71	Chance et al.		29	626	
AH	3,680,037	7/25/72	Nellis et al.		339	61M	
AI	3,680,206	8/1/72	Roberts		29	580	
AJ	3,683,105	8/8/72	Shamash et al.		174	685	
AK	3,689,991	9/12/72	Aird		29	577	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
AR	Bill Chou, Solomon Beilin, Hunt Jiang, Dave Kudzuma, Tomac Massingill, Mike Peters and Vincent Wang, Ultra-High-Density Interconnect Flex Substrates, December 1998, pages 14-21						
AS	Rudolf Leutenbauer, Volker Grosser, Bernd Michel and Herbert Reichl, Development of a Top-Bottom BGA, December 1998, pages 28-32.						
AT	Daryl Ann Doane, Paul D. Franzon, Multichip Module Technologies and Alternatives: The Basics, pages 487-523.						
EXAMINER				DATE CONSIDERED			
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>							



FORM 250-449 (Rev. 7-80)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No. TESSERA 3.3-018 CONT CONT II DIV CONT CONTII		Serial No. 09/827,840		
		LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)				Applicant Khandros et al.		
		Filing Date April 6, 2001		Group 2812				
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	AA	3,724,068	4/3/73	Galli	29	626		
	AB	3,772,575	11/3/73	Hegarty et al.	317	235 R		
	AC	3,795,037	3/5/74	Luttmer	29	628		
	AD	3,832,769	9/3/74	Olyphant Jr. et al.	29	626		
	AE	3,862,790	1/28/75	Davies et al.	339	17		
	AF	3,864,728	2/4/75	Peltz et al.	357	71		
	AG	3,868,724	2/25/75	Perrino	357	65		
	AH	4,179,802	12/25/79	Joshi et al.	29	628		
	AI	4,237,607	12/9/80	Ohno	29	840		
	AJ	4,356,374	10/26/82	Noyori et al.	219	121		
	AK	4,410,905	10/18/83	Grabbe	357	80		
FOREIGN PATENT DOCUMENTS								
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							YES	NO
	AL	2405839	12/1981	France				X
	AM	245179*	2/14/95	Europat				
	AN	WO 89/12911*	12/28/89	W.I.P.O.				
	AO	1-155633	6/1989	Japan			x	
	AP	1003396	3/1983	USSR			x	
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AR		Nitto Product Information. "New Tab Mounting Method".					
			IBM Technical Disclosure Bulletin. Jan. 1985, vol. 27, No. 9, p. 4855.					
	AS		IBM Technical Disclosure Bulletin. "Non-Permanent Mounting Technique for Test and Burn-In of C4 Devices". Nov. 1990, vol. 33, No. 7.					
			IBM Technical Disclosure Bulletin. "Extended Pad for Testing Package Parts". Dec. 1984, vol. 27, No. 7B, pp. 4210-4211.					
	AT		IBM Technical Disclosure Bulletin. "Test and Repair of Direct Chip Attach Modules". Aug. 1988, vol. 31, No. 3					
			Microelectronics Packaging Handbook, 1989, pp. 420-423, 1132. Rao R. Tummala and Eugene J. Rymaszewski.					
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FORM PTO 349 (Rev. 7-99) 	U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No. TESSERA 3.3-018 CONT CONT II DIV CONT CONTII	Serial No. 09/827,840
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	Applicant Khandros et al.		Filing Date April 6, 2001	Group 2812

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	AA	4,437,141	3/13/84	Prokop	361	403	
	AB	4,545,610	10/8/95	Lakritz et al.	29	589	
	AC	4,574,470	3/11/86	Burt	29	590	
	AD	4,597,617	7/1/86	Enochs	339	17	
	AE	4,604,644	8/5/86	Beckham et al.	357	080	
	AF	4,627,151	12/9/86	Mulholland et al.	29	569	
	AG	4,628,406	12/9/86	Smith et al.	361	386	
	AH	4,649,415	3/10/87	Hebert	357	74	
	AI	4,667,220	5/19/87	Lee et al.	357	68	
	AJ	4,670,770	6/2/87	Tai	357	60	
	AK	4,685,998	8/11/87	Quinn, Daniel J. et al.	156	633	

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							YES	NO
	AL	072673	8/1982	Europat				
	AM	080041	9/1982	Europat				
	AN	413451	7/1990	Europat				
	AO	2495839	12/1981	France				
	AP	2586885	8/1996	France				

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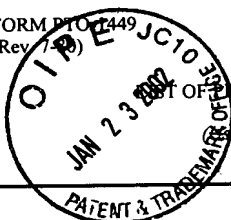
	AR		IBM Technical Disclosure Bulletin entitled "Non-Permanent Mounting Technique for Test and Burn-In of C4 Devices", Nov. 1990, vol. 33, No. 7.
			IBM Technical Disclosure Bulletin entitled "Extended Pad For Testing Package Parts", Dec. 1984, vol. 27, No. 7B.
	AS		IBM Technical Disclosure Bulletin entitled "Test And Repair of Direct Chip Attach Modules", Aug. 1988, vol. 31, No. 3.
			"Improved C4 Reliability Using Low Modulus Dielectric Layer", IBM Technical Disclosure bulletin, vol. 32, No. 6A, Nov. 1989.
	AT	*	"Methods of Testing Chips and Joining Chips to Substrates," 2244 Research Disclosure, February 1991, Elmsworth, GB, 32290

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						Group 2812		
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	AA	4,709,468	12/1/87	Wilson	437	209		
	AB	4,710,798	12/1/87	Marcantonio	357	80		
	AC	4,721,993	1/26/88	Walter	357	70		
	AD	4,751,199	6/14/88	Phy	437	209		
	AE	4,751,482	6/14/88	Fukuta et al.	333	247		
	AF	4,764,804	8/16/88	Sahara et al.	357	81		
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	AJ	4,814,295	3/21/89	Mehta	437	209		
	AK	4,818,728	4/4/89	Rai et al.	437	209		
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	AN	8910005	10/1989	WIPO				
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	AP							
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TESSERA 3.3-018 CONT  
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Applicant  
Khandros et al.Filing Date  
April 6, 2001Group  
2812

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AA	4,842,662	6/27/89	Jacobi	156	633	
AB	4,855,867	8/8/89	Gazdik et al.	361	306	
AC	4,874,721	10/17/89	Kimura et al.	437	209	
AD	4,878,098	10/31/89	Saito et al.	357	68	
AE	4,884,122	11/28/89	Eichelberger et al.	357	71	
AF	4,887,148	12/12/89	Mu	357	74	
AG	4,918,811	4/24/90	Eichelberger et al.	29	840	
AH	4,924,353	5/3/90	Patraw	361	400	
AI	4,926,241	5/15/90	Carey			
AJ	4,937,203	6/26/90	Eichelberger et al.	437	51	
AK	4,937,707	6/29/90	McBride et al.	361	398	

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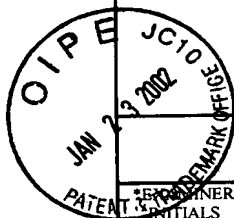
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Patent and Trademark OfficeAttorney Docket No.  
TESSERA 3.3-018 CONT  
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09/827,840

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Applicant  
Khandros et al.Filing Date  
April 6, 2001Group  
2812

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	AA	4,941,033	7/10/90	Kishida	357	75	
	AB	4,942,140	7/17/90	Ootsuki et al.	437	211	
	AC	4,967,261	10/30/90	Niki et al.	357	70	
	AD	4,989,069	1/29/91	Hawkins	357	74	
	AE	5,019,673	5/28/91	Juskey et al.	174	52.2	
	AF	5,027,191	6/25/91	Bourdelaie et al.	357	74	
	AG	5,045,921	9/3/91	Lin et al.	357	74	
	AH	5,045,922	9/3/91	Kodama et al.	357	75	
	AI	5,053,922	10/1/91	Matta et al.	361	386	
	AJ	5,123,850	6/23/92	Elder et al.	439	67	
	AK	5,136,366	8/4/92	Worp et al.	357	72	

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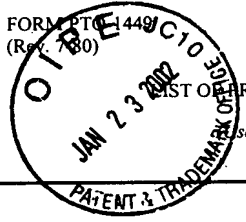
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	AA	5,148,265	9/15/92	Khandros et al.	357	80		
	AB	5,148,266	9/15/92	Khandros et al.	357	80		
	AC	5,222,014	6/22/93	Lin	361	414		
	AD	5,289,346	2/22/94	Carey et al.	361	777		
	AE	5,347,159	9/13/94	Khandros et al.	257	692		
	AF	5,350,947	9/27/94	Takekawa et al.	257	702		
	AG	5,379,191	1/3/95	Carey et al.	361	777		
	AH	5,414,298	5/9/95	Grube et al.	257	690		
	AI	5,282,312*	2/1/94	DiStefano et al.	29	830		
	AJ	5,518,964*	5/21/96	DiStefano et al.	437	209		
	AK	4,783,719	11/8/88	Jamison et al.	361	398		
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FORM PTO 449 (Rev. 7-80)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No. TESSERA 3.3-018 CONT CONT II DIV CONT CONTII		Serial No. 09/827,840	
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U.S. PATENT DOCUMENTS				Group 2812			

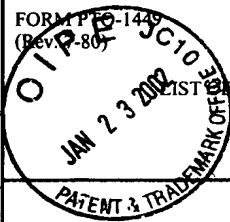
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	AA	3,952,404	4/27/76	Matunami	29	589	
	AB	5,637,919*	6/10/97	Grabbe	257	690	
	AC	5,504,035*	4/2/96	Rostoker et al.	437	182	
	AD	5,477,082*	12/19/95	Buckley, III et al.	257	679	
	AE	5,454,160*	10/3/95	Nickel	29	840	
	AF	5,394,009*	2/28/95	Loo	257	666	
	AG	5,227,583*	7/13/93	Jones	174	52.4	
	AH	3,823,467	7/94	Shamash et al.			
	AI	4,189,825	2/80	Robillard et al.	29	574	
	AJ	4,349,862	9/82	Bajorek et al.	361	401	
	AK	4,655,524	4/87	Etzel	339	59 M	

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*EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	AA	4,658,332	4/87	Baker et al.	361	398	
	AB	4,681,654	7/87	Clementi et al.	156	630	
	AC	4,695,870	9/87	Patraw	357	74	
	AD	4,700,473	10/87	Freyman et al.	29	846	
	AE	4,772,936	9/88	Reding et al.	357	80	
	AF	4,847,146	7/89	Yeh et al.	428	332	
	AG	4,855,872	8/89	Wojnar et al.	361	414	
	AH	4,860,088	8/89	Smith et al.	357	69	
	AI	4,866,841	9/89	Hubbard	29	845	
	AJ	4,893,172	1/90	Matsumoto et al.	357	79	
	AK	4,954,878	9/90	Fox et al.	357	81	
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	AA	4,975,765	12/90	Ackermann et al.	357	80	
	AB	4,993,954	2/91	Prevost	439	68	
	AC	5,006,673	4/91	Freyman et al.	174	255	
	AD	5,029,325	7/91	Higgins, III et al.	357	80	
	AE	5,086,337	2/92	Noro et al.	357	79	
	AF	5,117,275	5/92	Bregman	357	70	
	AG	Re: 35,119	12/12/95	Blonder, et al.	204	164	
	AH	4,937,653	6/26/90	Blonder, et al.	438	125	
	AI	5,210,939	5/18/93	Blonder, et al.	235	488	
	AJ						
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	AA	T955,008	2/77	Gregor, et al.			
	AB	3,825,353	7/74	Loro	317	234R	
	AC	4,536,469	8/85	Alderstein	430	314	
	AD	4,648,179	3/87	Bhattacharyya, et al.	29	832	
	AE	4,766,670	8/88	Godzik, et al.	29	830	
	AF	4,783,695	11/88	Eichelberger, et al.	357	65	
	AG	4,855,872	8/89	Wojner, et al.	361	414	
	AH	4,866,841	9/89	Hubbard	29	845	
	AI	4,890,157	12/89	Wislon	357	80	
	AJ	5,023,205	6/91	Reche	437	2285	
	AK	5,029,325	7/91	Higgins, III, et al	357	80	

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LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				Applicant Khandros, et al.		Filing Date: April 6, 2001	
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	AA	5,055,907	10/91	Jacobs	357	71	
	AB	5,192,716	3/93	Jacoby	437	209	
	AC	5,217,916	6/93	Andersen, et al.	437	51	
	AD	5,346,861	9/94	Khandros, et al.	437	209	
	AE	4,460,825	7/17/84	Haghiri-Tehrani, et al.	235	488	
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	AL	2,586,885	8/86	France			
	AM	91112706	8/22/91	PCT			
	AN	1-293,528		Japan			
	AO	60-217,641		Japan			
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